


PMCS COULD HAVE PREVENTED THIS EVENT

An HMMWV driver reported an unusual vibration that he had noticed to his mechanic. The mechanic didn't take the time to troubleshoot the problem. Soon after leaving the motor pool, the vehicle's front wheel rolled off.



MOTIVATOR1

TERMINAL LEARNING OBJECTIVE

TASK TITLE: Supervise Preventive Maintenance Checks and Services (PMCS).

CONDITIONS: In the field or in a motor pool environment, given TM 3-4240-339-10, TM 3-4240-340-10, TM 3-4240-300-20&P, FM 3-4, DA Form 2404, DA Pam 738-750, M40A1/M42A1 series mask, M258 or M295 decontamination kit, a container of warm soapy water, a container of clear water, cheesecloth, denatured alcohol, scrub brush, plastic polish, lens cleaning compound, and calcium hypochlorite.

STANDARD: Students must receive a "GO" rating on all elements of the performance PE.

TLO2

TM 9-2320-280-10

Section II. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

2-3. GENERAL

A permanent record of the services, repairs, and modifications made to these vehicles must be recorded. (Army) See DA Pam 738-750 for a list of the forms and records required and how to complete them. (Marine Corps) Refer to TM 4700-15/1 series.

2-4. CLEANING INSTRUCTIONS

a. Cleaning is an after operation service performed by the operator/crew to keep the vehicle in a state of readiness. Facilities and material available to operators for vehicle cleaning can vary greatly in differing operating conditions. However, vehicles must be maintained in as clean a condition as available cleaning equipment, materials, and tactical situations permit.

WARNING

— Drycleaning solvent is flammable and will not be used near an open flame. A fire extinguisher will be kept nearby when the solvent is used. Use only in well-ventilated places. Failure to do this may result in injury to personnel and/or damage to equipment.

SAFETY3

PREVENTIVE MAINTENANCE CHECKS AND SERVICES

1 THE APPLICATION OF SYSTEMATIC PROCEDURES FOR INSPECTION, DETECTION, AND CORRECTION, OF BEGINNING FAILURES BEFORE THEY DEVELOP INTO MAJOR DEFECTS.

THE CORNERSTONE OF UNIT MAINTENANCE IS THE OPERATOR/CREW PERFORMING THE PMCS FROM THE APPLICABLE TM 10-SERIES.

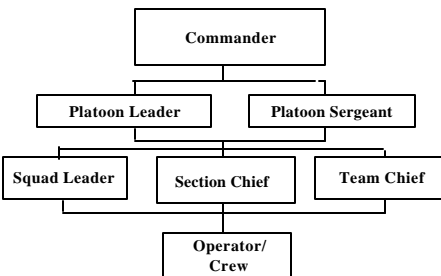
DEFINITION4

GOALS

1. TRAINING PERSONNEL.
2. MAINTAINING EQUIPMENT READINESS.

PMCS GOALS5

TRAINING IN PMCS



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graph TD; Commander[Commander] --> PlatoonLeader[Platoon Leader]; Commander --> PlatoonSergeant[Platoon Sergeant]; PlatoonLeader --> SquadLeader[Squad Leader]; PlatoonLeader --> SectionChief[Section Chief]; PlatoonLeader --> TeamChief[Team Chief]; PlatoonSergeant --> SquadLeader; PlatoonSergeant --> SectionChief; PlatoonSergeant --> TeamChief; SquadLeader --> OperatorCrew[Operator/Crew]; SectionChief --> OperatorCrew; TeamChief --> OperatorCrew;
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SUPERVISORS6

- (1) TABLE OF CONTENTS.
- (2) CAUTIONS AND WARNINGS.
- (3) PMCS/OR EQUIVALENT TABLE.
- (4) OPERATING PROCEDURES.
- (5) TROUBLESHOOTING PROCEDURES.
- (6) BASIC ISSUE ITEMS LIST

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- LIGHTER DEPLOYMENT FOR ARMY MAINTENANCE UNITS
- EFFICIENT AND ECONOMIC TM DISTRIBUTION
- ELECTRONIC INTERFACES TO RETAIL SUPPLY AND MAINTENANCE SYSTEMS
- ENHANCE TROUBLESHOOTING AND REPAIR CAPABILITIES
- INTEGRATE ETMs WITH DIAGNOSTICS SOFTWARE

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| B-Before operation | | | | | D-During operation | A-After operation | W-Weekly | M-Monthly |
|--------------------|---|---|---|---|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------|
| INTERVAL | | | | | ITEM TO BE INSPECTED | | EQUIPMENT IS | |
| ITEM NO. | B | D | A | W | M | PROCEDURE: Check for and have repaired, filled, or <u>adjusted as needed</u> | NOT READY? / N/A IABLE IF: | |
| | | | | | | NOTE Perform Weekly (W) as well as Before (B) PMCS i.e. (1) You are the assigned operator but have not operated the vehicle since the last weekly PMCS; or (2) You are operating the vehicle for the first time. | | |
| | | | | | | d. Check condition and/or operation of: | | Windshield or side windows cracked sufficiently to impair operator's vision. |
| | | | * | | | (1) Windshield and windows | | |
| | | | * | | | (2) Windshield wiper arms and blades | | |
| | | | * | | | (3) Mirrors | | |
| | | | | * | | (4) All locking and fastening devices | | |

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| B-Before combat or interval | | | A-After combat or interval | | | W-Weekly on combat interval is not | | |
|-----------------------------|-------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------|------------------------------------|-------------------------------------------------------------------------------------|--|
| Item No. | B A W | ITEM TO BE INSPECTED | PROCEDURE | FACEPIECE ASSEMBLY | Equipment Ready/Available: | FACEPIECE IS DIRTY. | FACEPIECE HAS HOLES, TEARS, NICKS, STICKY SPOTS WHICH ALLOW AIR TO ENTER FACEPIECE. | |
| | | a. | Visually inspect inside surface of facepiece (7) for dirt, mud, and greasy or oily substances. | | | | | |
| | | b. | Check facepiece (7) for holes, tears, and splits by holding in front of a light source and looking closely at edges of facepiece. Check for soft or sticky soots. | | | | | |

PMCS INTERVALS FOR CHEMICAL-BIOLOGICAL MASK

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| MAINTENANCE FAULTS | | | | | |
|--------------------|---------------|-----------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ITEM NUM | FAULT DATE | FAULT STATUS | FAULT DESCRIPTION | CORRECTIVE ACTION | INITIALS |
| 0001 | 26-APR-96 | | X | Equipment is "not readily available" or "Not Mission Capable." | |
| 0002 | 26-APR-96 | X | | Indicates a deficiency. However, equipment may be operable under specific limitations as directed by the commander until corrective action can be accomplished. | |
| (P) | 28 Apr 96 | (U) | 27 Apr 96 | Inspection or check is due, but not yet accomplished. | |
| | | | | Indicates a material defect other than a deficiency that must be corrected for item to make the item completely serviceable. | |
| (C) | 28 Apr 96 | X | MJD | Last name initial in black, blue-black ink, or pencil indicates that a completely satisfactory condition exists. | |

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[illegible]

| 1. NOMENCLATURE | | 2. MODEL | 3. SERIAL NUMBER | | |
|-----------------------|-------------------------------|----------------------|------------------|-------------|-----------|
| TRK UTL CGO 1.25T 4X4 | | 8996 | 050496 | | |
| STATUS | REASON | FORM | ENTRY | DATE | |
| SYMBOL | FOR | (Form DA | APPROVED | (To DA Form | |
| a | b | 340) | (Signature) | 3407) | |
| | c | d | e | f | |
| / | Passenger wiper blade missing | 6116-0001-0007/95361 | 26 APR 96 | N. Charge | 27 APR 96 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

DA FORM 2408 - 14, JUN 94

UNCORRECTED FAULT RECORD

For use of this form, see DA PAM 738-75; the proponent agency is ODCSLOG

SAMPLE OF A COMPLETED DA FORM 2408-14

LEVELS OF MAINTENANCE

1. UNIT
2. DIRECT SUPPORT
3. GENERAL SUPPORT
4. DEPOT

TRAINING

1. SET ASIDE ADEQUATE TIME FOR TRAINING.
2. IDENTIFY DEFICIENCIES.
3. OUTLINE IMPORTANT POINTS TO COVER.
4. OBTAIN COPIES OF 5988-E OR DA FORM 2404.
5. DRAFT QUESTIONS.
6. MAKE COPIES OF IMPORTANT POINTS.
7. REINFORCE THE LESSON.

SUMMARY

- PMCS GOALS
 - TRAIN PERSONNEL
 - MAINTAIN EQUIPMENT
 READINESS
- THE IMPORTANCE OF EFFECTIVE
 SUPERVISION